

**Notice of Allowability**

Application No.

10/626,441

Examiner

YOUNG T. TSE

Applicant(s)

LUNDBY ET AL.

Art Unit

2611

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 14 September 2007.
2. ☒ The allowed claim(s) is/are 1,3-9 and 11-13.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date <u>20070914</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                   | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input type="checkbox"/> Other _____.   |

### **EXAMINER'S AMENDMENT**

1. The drawings were received on September 14, 2007. These drawings are acceptable.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 3, line 3, the word "further" has been deleted; line 5, the term "said fixed time interval" has been changed to "said time interval"; and lines 5-6, the term "said orthogonal channel sequence" has been changed to "a delayed orthogonal channel sequence to said second demodulator means".

In claim 4, line 3, the phrase "pilot filter" has been to "a pilot filter" and line 5, the term "said first spread spectrum signal" has been changed to "said descrambled first spread spectrum signal".

In both claims 6 and 8, the identifier "(Original)" has been changed to "(Currently Amended)" since both claims 6 and 8 have been amended.

In claim 6, line 3, the term "said first demodulated spread spectrum signal" has been changed to "a delayed first demodulated spread spectrum signal".

In line 3 of claims 7, 10 and 12, the term "said fixed time interval" has been changed to "said time interval".

In claim 10, lines 3-4, the term "said orthogonal channel sequence" has been changed to "a delayed orthogonal channel sequence".

In claim 11, lines 1-2, the term "said first demodulated spread spectrum signal" has been changed to "a delayed first demodulated spread spectrum signal".

The non-elected (withdrawn) claims 16-20 have been canceled.

3. The following is an examiner's statement of reasons for allowance: the prior art fails to show or suggest a spread spectrum receiver, an apparatus or a method for receiving multiple spread spectrum signals comprising a first demodulator device for demodulating a first spread spectrum signal of the multiple spread spectrum signals in accordance with a first arrival time and a second demodulator device for demodulating a second spread spectrum signal of the multiple spread spectrum signals in accordance with time interval difference with respect to the first arrival time. Wherein either the first or second demodulator device comprises a descrambler circuit for descrambling the first or second spread spectrum signal in accordance with a pseudorandom noise sequence, a phase adjustment circuit for extracting a pilot signal from the descrambled first or second spread spectrum signal and multiplying the descrambled first or second spread spectrum signal with the pilot signal to generate a phase adjusted signal, and a dechannelization circuit for multiplying the phase adjusted signal by an orthogonal channel sequence.

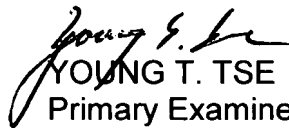
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOUNG T. TSE whose telephone number is (571) 272-3051. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
YOUNG T. TSE  
Primary Examiner  
Art Unit 2611